

Anti-Semaphorin-6A (cytoplasmic region) Antibody

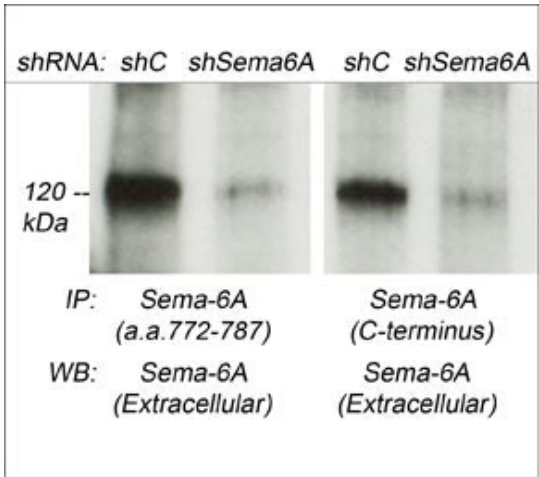


Product Details

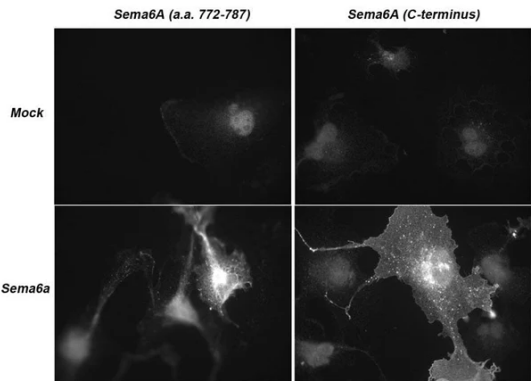
Available Variants	100 µL (SKU:SP5371)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	SEMA6A
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN ₃ and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:1000 ICC: 1:250 IP: 1:100
Species Reactivity	Chicken, Frog, Human, Mouse, Rat
Immunogen	Semaphorin 6A synthetic peptide (coupled to carrier protein) corresponding to amino acids in the cytoplasmic region of human Sema-6A. The sequence used has high homology to similar regions in rat and mouse Sema-6A, and has low homology to other semaphorin family members.
Specificity	The antibody detects a 120kDa* protein corresponding to the apparent molecular mass of Sema-6A on SDS-PAGE immunoblots of Sema-6A transfected COS7 cells, human colorectal cancer cells, and rat PC12 cells. In addition, shRNA knockdown of Sema-6A expression significantly reduces detection of Sema-6A using anti-Sema-6A (a.a. 772-787) antibody.
Molecular Weight	120
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	Q9H2E6
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

Product Images



Western blot of Sema-6A in human colorectal cancer (CRC) cells treated with control (shC) or Sema-6A (shSema6A) shRNAs. Sema-6A was immunoprecipitated from each of the CRC lysates using Sema-6A (a.a. 772-787) or Sema-6A (C-terminus) antibody, then the blotted immunoprecipitations were probed with Sema-6A antibody. (Images provided by Dr. Luca Tamagnone from the IRCC, Univ. of Torino, Italy).



Immunocytochemical labeling of Sema-6A in COS7 cells that were mock transfected (top images) or Sema-6A transfected (bottom images). The cells were labeled with anti-Sema-6A (a.a. 772-787) (Left top and bottom image) or anti-Sema-6A (C-terminus) (Right top and bottom image). The antibodies were detected using anti-rabbit fluorescent secondary antibody. (Images provided by Dr. Luca Tamagnone from the IRCC, University of Torino, Italy).



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